U.S. IOOS 2022 DMAC
VIRTUAL ANNUAL MEETING AGENDA
June 14 - 16

DAILY SCHEDULE [all times Eastern]:

1:00 - 1:45 PM: Presentations/Plenary
1:45 - 2:15 PM: Break
2:15 - 3:00 PM: Presentations/Plenary
3:00 - 3:30 PM: Break
3:30 - 4:45 PM: Breakout Discussion Groups
4:45 - 5:00 PM: Wrap up/Report Out

Tuesday, June 14th

1300 Introduction/Meeting Kickoff (Matt Biddle/IOOS)

1305 US IOOS Office Updates ()

1315 IOOS Operations Division Updates (Derrick Snowden/IOOS)

1330 New Blue Economy (Schuyler Nardelli/IOOS)

- The New Blue Economy is a data-based economy that seeks to maximize the usefulness of ocean, coastal, and Great Lakes data for both economic development and societal benefit.
- The ocean, coastal, and Great Lakes data and services from NOAA and our partners enables the creation of equitable, transparent, high-tech, data-based tools to empower ocean and coastal decision-making and to advance safety, security, prosperity, and a healthy and sustainable marine environment.

13:45 Q&A/Break

1415 IOOS Code Sprint Recap and GSoC Updates (Filipe Fernandes/SECOORA, Matt Biddle/IOOS)

- Recap of the 2022 IOOS Code Sprint at GLOS.
- Overview of IOOS GSoC Projects and Schedule and introduce 2022 IOOS GSoC Students to the DMAC community.

1430 CIOOS update (Ray Brunsting/CIOOS)

- What's been happening at CIOOS and what comes next.
- What could expanded collaboration look like.

1445 ESIP Biological Data Standards Cluster & Marine Data Cluster (Abby Benson/USGS, Carolina Berys-Gonzalez/SIO)

- ESIP enables and supports high quality virtual and in-person collaborations amongst cross-domain data professionals on common data challenges and opportunities.

- The goal of the Marine Data Cluster is to bring together ESIP members working with data in the marine geosciences to discuss advancements and challenges in their field, and to build relationships to foster future collaborations.
- The Biological Data Standards Cluster aims to provide the biological data community in the US with guidance, best practice documentation, training, and community building for biological data standards.

1500 Q&A/Break

1530 Breakout Discussions

Breakout #1: ERDDAP Leads: Bob Simons, Kevin O'Brien	Session Description: ● New Features in ERDDAP ● Questions (from the audience) and Answers

1645 Wrap up/Report Out

1700 Meeting close

Wednesday, June 15th

1300 MBON DMAC updates on eDNA (Kathleen Pitz/MBARI)

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1315 AI Ready Data Standards and Best Practices (Stacie Robinson/NMFS, Douglas Rao/NCEI)

- Presenting a community-driven AI-ready data checklist to support future data stewardship and management practices
- Identifying collaboration opportunities with the IOOS community to generate IOOS AI-ready datasets

1330 OTT - CO-OPS Model Data Visualization and Validation (James Doyle/RPS, Matt Iannucci/RPS)

- Using OceansMap to validate model and observation data.
- Improving OceansMap workflows for specific end users.

13:45 Q&A/Break

1415 DMAC Topic 2 - Passive Acoustic Monitoring Access Network (Carrie Wall Bell/NCEI)

- This talk will introduce a new effort called Passive Acoustic Monitoring National Cyberinfrastructure Center (PAMNaCC).
- PAMNaCC will pilot a community focused national cyberinfrastructure capability for passive acoustic monitoring data, technology, and best practices, to promote improved, scalable and sustainable accessibility and applications for management and science.

1430 DMAC Topic 2 - Reach for the Clouds (Kelly Knee/RPS)

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1445 Connection between community DACs and NCEI products (Matt Grossi/NCEI)

- NCEI does more than preserve data in an archive. The nation's leading authority on environmental information also creates high-impact science products and services that benefit policy makers, preservation initiatives, research communities, and more across our nation and around the world.
- Community data assembly centers (DACs) provide pathways for moving voluminous data into these products and services. DACs and data providers therefore play integral roles in contributing to these valuable services to our nation.

1500 Q&A/Break

1530 Breakout Discussions

Breakout #1: Archiving Models Leads: Felimon Gayanilo, Scott Cross, Douglas Schuster	Session Description: Discussions will be focused on how best to archive models.
Breakout #2: Cloud Sandbox Leads: Patrick Tripp	Session Description: Focus on modeling or more recent discussions around AI/ML.

1645 Wrap up/Report Out

1700 Meeting close

Thursday, June 16th

1300 Seagull (Tim Kearns/GLOS)

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1315 QARTOD - 5 year plan (Mark Bushnell/IOOS)

- Results of QARTOD Board of Advisors survey
- Expanded project scope

1330 Using QARTOD for moving platforms (Joshua Osborne/PMEL)

- Discuss relevant statistical properties and missingness behaviors of the data stream from a moving platform
- How do they relate to QARTOD routines, and more generally, QC evaluation?

13:45 Q&A/Break

1415 Glider DAC - New features (John Kerfoot/Rutgers)

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1430 Integration of IOOS data and web-based modeling (Kelly Knee/RPS)

- SAR and Oil Spill modeling Case Study

1445 Cloud Sandbox Update (Patrick Tripp/RPS)

- Update on the IOOS Cloud Sandbox v2 development.
- Discussion on flexible deployment options and potential use cases.

1500 Q&A/Break

1530 Breakout Discussions

Breakout #1: Intersection of DMAC and the cloud Leads: Jonathan Joyce	Session Description: Discussion of cloud-based frameworks for DMAC

1645 Wrap up/Report Out

1700 Meeting close